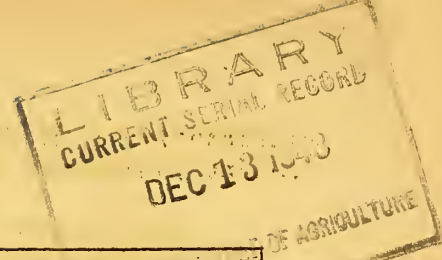


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CHECK-LIST OF MARSH AND AQUATIC PLANTS OF THE UNITED STATES

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This list of the principal plants occurring in marsh and water areas throughout the United States has been prepared in response to the need in the Fish and Wildlife Service and among its cooperators and correspondents for consistency in the use of scientific and common names of marsh and water plants useful to waterfowl as food or cover. Such consistency is not found in the various botanical manuals, although "Standardized Plant Names" does attain that end in the field of horticulture. The names in the present list are recommended for use by all those interested in waterfowl conservation. This leaflet should also be useful to botanists and, to some extent, to specialists in fish culture and fur production. All the algae except the Characeae have been excluded because of their minute size and comparative unimportance to waterfowl. Because of its scope the list does not include the many species characteristic of wooded swamps and peat bogs.

The list was compiled mostly from information in the following eight standard manuals of vascular plants:

- Robinson and Fernald, Gray's New Manual of Botany, 1908.
- Britton and Brown, Illustrated Flora of the Northern States and Canada, 1913.
- Small, Manual of the Southeastern Flora, 1933.
- Small, Flora of the Southeastern United States, 1913.
- Rydberg, Flora of the Rocky Mountains and Adjacent Plains, 1917.
- Rydberg, Flora of the Prairies and Plains of Central North America, 1932.
- Jepson, Manual of the Flowering Plants of California, 1925.
- Abrams, Flora of the Pacific States, 1923.

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NOTE: This leaflet supersedes Wildlife Research and Management Leaflet BS-72 issued in December 1936 by the Bureau of Biological Survey under the Department of Agriculture.

Information from the manuals has been modified by that found in several recent monographs on particular families and genera, as follows:

- Isoetaceae--Pfeiffer, Monograph of the Isoetaceae, 1922.  
 Potamogeton (in part)--Fernald, The Linear-leaved North American Species of Potamogeton, Section Axillares, 1932.  
 Najas--Clausen, Studies in the Genus Najas in the Northern United States, 1936; and Clausen, A New Species of Najas from the Hudson River, 1937.  
 Anacharis--Victorin, L'Anacharis canadensis, 1931.  
 Gramineae--Hitchcock, Manual of the Grasses of the United States, 1935.  
 Eleocharis--Svenson, Monographic Studies in the Genus Eleocharis, 1-V, 1929-39.  
 Carex--Mackenzie, Carex (in North American Flora), 1931-35.  
 Nuphar--Miller and Standley, The North American Species of Nymphaea, 1912; and Standley, Studies of American Plants, V, 1931.  
 Ranunculus--Drew, The North American Representatives of Ranunculus, Section Batrachium, 1936.  
 Scrophulariaceae (in part)--Pennell, The Scrophulariaceae of Eastern Temperate North America, 1935.

The arrangement of the plant names corresponds closely to that in the several manuals; in other words, the names are in phylogenetic order. The scientific names used (first column) are those generally agreed upon by the various manuals or those that recent botanical publications have shown to be more acceptable. In cases where there is a lack of agreement in the manuals, synonyms are given in parentheses after the selected names. The choice of names was aided by the helpful criticism of botanists of the Bureau of Plant Industry, United States Department of Agriculture.

The common, or vernacular, names (second column) are of three types: (1) English names in actual use; (2) manufactured or borrowed names of frequent occurrence in standard manuals--selected in cases where they are reasonably descriptive and not too unwieldy (in some instances being used in modified form); (3) generic names spelled without capital letter, as is often done in the field of horticulture (examples: dahlia, asparagus, petunia, iris, chrysanthemum). In numerous cases the common name proposed was chosen as being the most appropriate of several in local use, the final choice being influenced by the field and laboratory experience of scientists of the Fish and Wildlife Service.

#### THALLOPHYTA (Algae and Fungi)

##### CHARACEAE

Nitella spp. . . . .  
 Tolypella spp. . . . .  
 Chara spp. . . . .

##### MUSKGRASS FAMILY.

Nitella.  
 Tolypella.  
 Muskgrasses.



BRYOPHYTA  
(Liverworts and Mosses)

FONTINALACEAE

Fontinalis spp. . . . .

WATER MOSS FAMILY.

Water mosses.

RICCIACEAE

Riccia fluitans L. . . . .  
Ricciocarpus natans (L.) Corda . . . . .

RICCIA FAMILY.

Riccia.  
Do.

PTERIDOPHYTA  
(Ferns and Fern Allies)

CERATOPTERIDACEAE

Ceratopteris pteridoides (Hook.) Hieron. . . . .  
C. deltoidea Benedict . . . . .

WATERFERN FAMILY.

Waterfern.  
Do.

POLYPODIACEAE

Dryopteris thelypteris (L.) A. Gray  
(Aspidium thelypteris). . . . .

FERN FAMILY.

Marshfern.

MARSILEACEAE

Marsilea quadrifolia L. . . . .  
M. macropoda Engelm. . . . .  
M. vestita Hook. & Grev. . . . .  
M. uncinata A. Br. . . . .  
M. tenuifolia Engelm. . . . .  
M. oligospora Goodding. . . . .  
Pilularia americana A. Br. . . . .

PEPPERWORT FAMILY.

Pepperwort.  
Do.  
Do.  
Do.  
Do.  
Do.  
Pilularia.

SALVINIACEAE

Azolla caroliniana Willd. . . . .  
A. filiculoides Lam. . . . .  
Salvinia natans (L.) Allioni. . . . .

SALVINIA FAMILY.

Water-velvet.  
Do.  
Salvinia.

EQUISETACEAE

Equisetum telmateia Ehrh. . . . .  
E. fluviatile L. . . . .

HORSETAIL FAMILY.

Giant horsetail.  
Water horsetail.

ISOETACEAE (based on Pfeiffer)

Isoetes nuttallii A. Br. . . . .  
I. flaccida Shuttlew. . . . .  
I. howellii Engelm. . . . .  
I. bolanderi Engelm. (I. pygmaea) . . . . .  
I. melanopoda J. Gay . . . . .  
I. braunii Dur. (I. echinospora var.  
braunii, I. echinospora var. muri-  
cata, I. gravesii). . . . .  
I. truncata Clute . . . . .

QUILLWORT FAMILY.

Quillwort.  
Do.  
Do.  
Do.  
Do.  
Do.  
Do.  
Do.

## ISOETACEAE--Continued.

<i>Isoetes eatoni</i> Dodge. . . . .	
<i>I. saccharata</i> Engelm. . . . .	
<i>I. riparia</i> Engelm. ( <i>I. dodgei</i> ) . . . . .	
<i>I. flettii</i> Pfeiffer. . . . .	
<i>I. occidentalis</i> Hend. ( <i>I. lacustris</i> var. <i>paupercula</i> ) . . . . .	
<i>I. piperi</i> A. A. Eaton . . . . .	
<i>I. macrospora</i> Dur. ( <i>I. hieroglyphica</i> ) . . . . .	
<i>I. tuckermanni</i> A. Br. . . . .	
<i>I. foveolata</i> A. A. Eaton. . . . .	
<i>I. engelmanni</i> A. Br. . . . .	

## QUILLWORT FAMILY.

Quillwort.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.

SPERMATOPHYTA  
(Flowering Plants)

## TYPHACEAE

<i>Typha latifolia</i> L. . . . .	
<i>T. angustifolia</i> L. . . . .	

## CATTAIL FAMILY.

Common cattail.
Narrowleaf cattail.

## SPARGANIACEAE

<i>Sparganium eurycarpum</i> Engelm. ( <i>S. greenei</i> , <i>S. californicum</i> ). . . . .	
<i>S. americanum</i> Nutt. ( <i>S. androcladum</i> of manuals). . . . .	
<i>S. androcladum</i> (Engelm.) Morong ( <i>S. lucidum</i> ) . . . . .	
<i>S. chlorocarpum</i> Rydb. ( <i>S. diversifolium</i> , <i>S. acaule</i> ). . . . .	
<i>S. angustifolium</i> Michx. . . . .	
<i>S. multipedunculatum</i> (Morong) Rydb. ( <i>S. simplex</i> ). . . . .	
<i>S. fluctuans</i> (Morong) Robinson . . . . .	
<i>S. minimum</i> Fries . . . . .	
<i>S. hyperboreum</i> Laestad. . . . .	

## BURREED FAMILY.

Giant burreed.
Burreed.
Do.
Do.
Do.
Do.
Do.
Do.
Do.

## NAJADACEAE

<i>Potamogeton</i> spp. (based largely on Fernald) . . . . .	
<i>P. filiformis</i> Pers. ( <i>P. interior</i> ) . . . . .	
<i>P. vaginatus</i> Turcz. . . . .	
<i>P. pectinatus</i> L. ( <i>P. interruptus</i> ) . . . . .	
<i>P. latifolius</i> (Robbins) Morong . . . . .	
<i>P. robbinsii</i> Oakes. . . . .	
<i>P. crispus</i> L. . . . .	
<i>P. confervoides</i> Reichenb. . . . .	
<i>P. zosteriformis</i> Fern. ( <i>P. zosterifolius</i> , <i>P. compressus</i> ). . . . .	
<i>P. foliosus</i> Raf. ( <i>P. curtissii</i> ) . . . . .	

## PONDWEED FAMILY.

Pondweeds.
Pondweed.
Do.
Sago pondweed.
Pondweed.
Do.
Muckweed.
Pondweed.
Flatstem pondweed.
Pondweed.

NAJADACEAE--Continued.

PONDWEED FAMILY.

Potamogeton fibrillosus Fern.	Pondweed.
P. friesii Rupr.	Do.
P. strictifolius Ar. Benn. (P. rutilus)	Do.
P. panormitanus Biv.	Do.
P. gemmiparus Robbins	Do.
P. hillii Morong	Do.
P. longiligulatus Fern.	Do.
P. porteri Fern.	Do.
P. obtusifolius Mert. & Koch	Do.
P. clystocarpus Fern.	Do.
P. pusillus L.	Do.
P. vaseyi Robbins	Do.
P. lateralis Morong	Do.
P. spirillus Tuckerm. (P. dimorphus)	Do.
P. diversifolius Raf. (P. hybridus)	Do.
P. capillaceus Poir.	Do.
P. bicupulatus Fern.	Do.
P. epihydrus Raf.	Ribbonleaf pondweed.
P. tenuifolius Raf. (P. alpinus)	Pondweed.
P. pulcher Tuckerm.	Do.
P. rotundatus Hagstr.	Do.
P. amplifolius Tuckerm.	Largeleaf pondweed.
P. americanus C. & S. (P. fluitans)	Longleaf pondweed.
P. natans L. (P. floridanus)	Floatingleaf pondweed.
P. oakesianus Robbins	Pondweed.
P. illinoensis Morong (P. lucens)	Do.
P. fragillimus Hagstr.	Do.
P. gramineus L. (P. heterophyllus, P. angustifolius?)	Variableleaf pondweed.
P. praelongus Wulfen	Whitestem pondweed.
P. perfoliatus L. (P. bupleuroides)	Claspingleaf pondweed.
P. perfoliatus var. richardsonii Ar. Benn. (P. richardsonii)	Do.
Ruppia maritima L. (R. pectinata)	Wigeongrass.
R. occidentalis S. Wats.	Do.
Zannichellia palustris L.	Horned pondweed.
Zostera marina L.	Eelgrass.
Phyllospadix torreyi S. Wats.	Surfgrass.
P. scouleri Hook.	Do.
Cymodocea manatorum Aschers.	Manateeegrass.
Halodule wrightii Aschers.	Shoalgrass.
Najas spp. (based on Clausen)	Naiads.
N. marina L. (N. gracilis)	Spiny naiad.
N. flexilis (Willd.) Rostk. & Schmidt.	Northern naiad.
N. guadalupensis (Spreng.) Morong	Southern naiad.



NAJADACEAE--Continued.

PONDWEED FAMILY.

<i>Najas conferta</i> A. Br. . . . .	Naiad.
<i>N. gracillima</i> (A. Br.) Morong . . . . .	Do.
<i>N. minor</i> Allioni . . . . .	Do.
<i>N. olivacea</i> Rosendahl & Butters . . . . .	Do.
<i>N. muenschleri</i> Clausen . . . . .	Do.

JUNCAGINACEAE

ARROWGRASS FAMILY.

<i>Triglochin striata</i> R. & P. . . . .	Arrowgrass.
<i>T. maritima</i> L. . . . .	Do.
<i>T. palustris</i> L. . . . .	Do.
<i>Lilaea subulata</i> Humb. & Bonpl. . . . .	Lilaea.

ALISMACEAE

WATERPLANTAIN FAMILY.

<i>Sagittaria subulata</i> (L.) Buch. . . . .	Arrowhead.
<i>S. lorata</i> (Chapm.) Small. . . . .	Do.
<i>S. stagnorum</i> Small. . . . .	Do.
<i>S. filiformis</i> J. G. Smith . . . . .	Do.
<i>S. platyphylla</i> (Engelm.) J. G. Smith . . . . .	Delta duckpotato.
<i>S. sanfordii</i> Greene . . . . .	Arrowhead.
<i>S. cristata</i> Engelm. . . . .	Do.
<i>S. teres</i> S. Wats. . . . .	Do.
<i>S. isoetiformis</i> J. G. Smith . . . . .	Do.
<i>S. cycloptera</i> (J. G. Smith) C. Mohr . . . . .	Do.
<i>S. mohrii</i> J. G. Smith . . . . .	Do.
<i>S. graminea</i> Michx. ( <i>S. eatonii</i> ) . . . . .	Do.
<i>S. chapmanii</i> (J. G. Smith) C. Mohr . . . . .	Do.
<i>S. papillosa</i> Buch. . . . .	Do.
<i>S. ambigua</i> J. G. Smith . . . . .	Do.
<i>S. falcata</i> Pursh ( <i>S. lancifolia</i> of Gray's Manual) . . . . .	Do.
<i>S. lancifolia</i> L. . . . .	Do.
<i>S. angustifolia</i> Lindl. . . . .	Do.
<i>S. macrocarpa</i> J. G. Smith . . . . .	Do.
<i>S. heterophylla</i> Pursh ( <i>S. rigida</i> ) . . . . .	Do.
<i>S. longiloba</i> Engelm. . . . .	Do.
<i>S. greggii</i> J. G. Smith . . . . .	Do.
<i>S. brevirostra</i> Mackenzie & Bush . . . . .	Do.
<i>S. cuneata</i> Sheldon ( <i>S. arifolia</i> ) . . . . .	Do.
<i>S. pubescens</i> Muhl. ( <i>S. latifolia</i> var. <i>pubescens</i> ) . . . . .	Do.
<i>S. latifolia</i> Willd. ( <i>S. esculenta</i> ) . . . . .	Do.
<i>S. viscosa</i> C. Mohr . . . . .	Do.
<i>S. engelmanniana</i> J. G. Smith . . . . .	Do.
<i>S. longirostra</i> (Michx.) J. G. Smith . . . . .	Do.
<i>S. montevidensis</i> C. & S. . . . .	Do.
<i>Lophotocarpus calycinus</i> (Engelm.) J. G. Smith . . . . .	
( <i>L. californicus</i> ) . . . . .	Lophotocarpus.
<i>L. calycinus</i> var. <i>spongiosus</i> (Engelm.) Fassett . . . . .	
( <i>L. spongiosus</i> , <i>L. spathulatus</i> and . . . . .	
<i>L. depauperatus</i> , in part) . . . . .	Do.



## ALISMACEAE--Continued.

- Echinodorus tenellus* (Martius) Buch. (*Heli-  
anthium parvulum*) . . . . .  
*E. cordifolius* (L.) Griseb. . . . .  
*E. radicans* (Nutt.) Engelm. . . . .  
*Demasonium californicum* Torr. (*Machaerocarpus  
californicus*) . . . . .  
*Alisma plantago-aquatica* L. (*A. plantago*, *A. sub-  
cordatum*, *A. brevipes*) . . . . .  
*A. geyeri* Torr. . . . .

## WATERPLANTAIN FAMILY.

- Burhead.  
 Do.  
 Do.  
 Demasonium.  
 Waterplantain.  
 Do.

## BUTOMACEAE

- Butomus umbellatus* L. . . . .

## FLOWERING-RUSH FAMILY.

- Flowering-rush.

## HYDROCHARITACEAE

- Halophila baillonis* Aschers. . . . .  
*H. engelmannii* Aschers. . . . .  
*Anacharis* spp. (based on Victorin) . . . . .  
*A. canadensis* (Michx.) Planch. (*Elodea cana-  
densis*, in part, *Philotria canadensis*) . . . . .  
*A. canadensis* var. *planchonii* (Casp.) Victorin  
 (*A. planchonii*, *Philotria planchonii*, *P.  
iowensis*) . . . . .  
*A. occidentalis* (Pursh) Victorin (*Philotria  
minor*, *P. angustifolia*, *P. nuttallii*) . . . . .  
*A. linearis* (Rydb.) Victorin (*Philotria linearis*) . . . . .  
*A. densa* (Planch.) Victorin (*Philotria densa*) . . . . .  
*Vallisneria spiralis* L. (*V. americana*) . . . . .  
*Thalassia testudinum* Koenig & Sims . . . . .  
*Limnobium spongia* (Bosc) Richard . . . . .

## FROGBIT FAMILY.

- Halophila*.  
 Do.  
 Waterweeds.  
 Waterweed.  
 Do.  
 Do.  
 Do.  
 Wildcelery.  
 Turtlegrass.  
 Frogbit.

## GRAMINEAE (based on Hitchcock)

- Festuca rubra* L. (*F. vallicola*, *F. earlei*) . . . . .  
*Puccinellia fasciculata* (Torr.) Bicknell  
 (*P. borrieri*) . . . . .  
*P. lemmonii* (Vasey) Scribn. . . . .  
*P. maritima* (Huds.) Parl. . . . .  
*P. distans* (L.) Parl. . . . .  
*P. nuttalliana* (Schult.) Hitchc. (*P. airoides*) . . . . .  
*P. pumila* (Vasey) Hitchc. (*P. angustata*, *P. pau-  
percula*) . . . . .  
*P. nutkaensis* (Presl) Fern. & Weath. . . . .  
*Glyceria acutiflora* Torr. (*Panicularia acutiflora*)  
*G. borealis* (Nash) Batchelder (*Panicularia bore-  
alis*) . . . . .

## GRASS FAMILY.

- Red fescue.  
 Alkali-grass.  
 Do.  
 Do.  
 Do.  
 Do.  
 Do.  
 Do.  
 Mannagrass.  
 Do.

## GRAMINEAE--Continued.

## GRASS FAMILY.

<i>Glyceria leptostachya</i> Buckl. ( <i>Panicularia davyi</i> ) . . .	Mannagrass.
<i>G. arkansana</i> Fern. . . . .	Do.
<i>G. septentrionalis</i> Hitchc. ( <i>Panicularia septentrionalis</i> , <i>P. fluitans</i> of Small's Manual) . . . . .	Do.
<i>G. fluitans</i> (L.) P. Br. ( <i>Panicularia fluitans</i> ) . . . . .	Do.
<i>G. occidentalis</i> (Piper) J. C. Nels. (apparently <i>G. fluitans</i> of Jepson's Manual, <i>Panicularia fluitans</i> of Abrams' Flora, and <i>P. septentrionalis</i> of Rydberg's Flora of the Rocky Mountains) . . . . .	Do.
<i>G. pauciflora</i> Presl ( <i>Panicularia pauciflora</i> ) . . . . .	Do.
<i>G. obtusa</i> (Muhl.) Trin. ( <i>Panicularia obtusa</i> ) . . . . .	Do.
<i>G. canadensis</i> (Michx.) Trin. ( <i>G. laxa</i> , <i>Panicularia canadensis</i> ) . . . . .	Do.
<i>G. striata</i> (Lam.) Hitchc. ( <i>G. nervata</i> , <i>Panicularia nervata</i> ) . . . . .	Do.
<i>G. elata</i> (Nash) Hitchc. ( <i>Panicularia elata</i> ) . . . . .	Do.
<i>G. grandis</i> S. Wats. ( <i>Panicularia grandis</i> , <i>P. americana</i> ) . . . . .	Do.
<i>G. pallida</i> (Torr.) Trin. ( <i>Panicularia pallida</i> ) . . . . .	Do.
<i>G. neogaea</i> Steud. ( <i>G. pallida</i> var. <i>fernaldii</i> ) . . . . .	Do.
<i>Fluminea festucacea</i> (Willd.) Hitchc. ( <i>Scolochloa festucacea</i> ) . . . . .	Whitetop.
<i>Pleuropogon californicus</i> (Nees) Benth. . . . .	Pleuropogon.
<i>P. refractus</i> (A. Gray) Benth. . . . .	Do.
<i>Poa palustris</i> L. ( <i>P. triflora</i> ) . . . . .	Fowl bluegrass.
<i>P. nevadensis</i> Vasey . . . . .	Nevada bluegrass.
<i>P. juncifolia</i> Scribn. ( <i>P. brachyglossa</i> ) . . . . .	Alkali bluegrass.
<i>Eragrostis glomerata</i> (Walt.) L. H. Dewey . . . . .	Lovegrass.
<i>E. reptans</i> (Michx.) Nees ( <i>E. weigeltiana</i> , <i>E. capitata</i> ) . . . . .	Do.
<i>E. hypnoides</i> (Lam.) BSP. . . . .	Do.
<i>E. frankii</i> C. A. Meyer . . . . .	Do.
<i>E. ellicottii</i> S. Wats. . . . .	Do.
<i>Catabrosa aquatica</i> (L.) Beauv. . . . .	Brookgrass.
<i>Monanthochloe littoralis</i> Engelm. . . . .	Saltflat grass.
<i>Distichlis spicata</i> (L.) Greene . . . . .	Saltgrass.
<i>D. stricta</i> (Torr.) Rydb. . . . .	Do.
<i>D. dentata</i> Rydb. . . . .	Do.
<i>Phragmites communis</i> Trin. ( <i>P. phragmites</i> ) . . . . .	Reed.
<i>Elymus virginicus</i> L. ( <i>E. australis</i> , <i>E. glaberrimus</i> , <i>E. halophilus</i> , <i>E. hirsutiglumis</i> , <i>E. jejunos</i> ) . . . . .	Wild-rye.
<i>Hordeum jubatum</i> L. ( <i>H. caespitosum</i> ) . . . . .	Foxtail barley.
<i>H. pusillum</i> Nutt. . . . .	Little barley.
<i>Lepturus cylindricus</i> (Willd.) Trin. . . . .	Lepturus.
<i>Pholiurus incurvus</i> (L.) Schinz. & Thell. ( <i>Lepturus filiformis</i> ) . . . . .	Sickle grass.



## GRAMINEAE--Continued.

## GRASS FAMILY.

<i>Deschampsia caespitosa</i> (L.) Beauv. ( <i>D. curtifolia</i> , <i>D. alpicola</i> , <i>D. confinis</i> , <i>D. pungens</i> , <i>Aira</i> <i>caespitosa</i> ) . . . . .	Hairgrass.
<i>D. holciformis</i> Presl ( <i>Aira holciformis</i> ) . . . . .	Do.
<i>Calamagrostis pickeringii</i> A. Gray . . . . .	Reedgrass.
<i>C. canadensis</i> (Michx.) Beauv. ( <i>C. langsdorffii</i> , <i>C. macouniana</i> , <i>C. blanda</i> ) . . . . .	Bluejoint.
<i>C. inexpansa</i> A. Gray ( <i>C. hyperborea</i> , <i>C. elongata</i> , <i>C. americana</i> ) . . . . .	Reedgrass.
<i>C. neglecta</i> (Ehrh.) Gaertn. ( <i>C. micrantha</i> ) . . . . .	Do.
<i>Calamovilfa brevipilis</i> (Torr.) Scribn. . . . .	Calamovilfa.
<i>Agrostis aequivalvis</i> (Trin.) Trin. . . . .	Bentgrass.
<i>A. verticillata</i> Vill. (apparently <i>A. stolonifera</i> of Rydberg's Flora of the Rocky Mountains). . . . .	Water bentgrass.
<i>A. palustris</i> Huds. ( <i>A. alba</i> var. <i>maritima</i> , <i>A.</i> <i>maritima</i> ) . . . . .	Creeping bentgrass.
<i>A. alba</i> L. ( <i>A. palustris</i> of Jepson's Manual and Abrams' Flora) . . . . .	Redtop.
<i>A. hiemalis</i> (Walt.) BSP. ( <i>A. geminata</i> ) . . . . .	Ticklegrass.
<i>A. perennans</i> (Walt.) Tuckerm. var. <i>elata</i> (Pursh) Hitchc. ( <i>A. altissima</i> ) . . . . .	Autumn bentgrass.
<i>A. oregonensis</i> Vasey . . . . .	Bentgrass.
<i>A. longiligula</i> Hitchc. . . . .	Do.
<i>Coleanthus subtilis</i> (Tratt.) Seidel . . . . .	Coleanthus.
<i>Alopecurus pallescens</i> Piper . . . . .	Foxtail.
<i>A. aequalis</i> Sobol. ( <i>A. geniculatus</i> var. <i>aristulatus</i> , <i>A. aristulatus</i> , <i>A. caespitosus</i> ) . . . . .	Do.
<i>A. geniculatus</i> L. . . . .	Do.
<i>A. carolinianus</i> Walt. ( <i>A. ramosus</i> ) . . . . .	Do.
<i>A. howellii</i> Vasey . . . . .	Do.
<i>A. saccatus</i> Vasey . . . . .	Do.
<i>Polypogon monspeliensis</i> (L.) Desf. . . . .	Rabbitfoot grass.
<i>P. lutosus</i> (Poir.) Hitchc. ( <i>P. littoralis</i> ) . . . . .	Polypogon.
<i>Muhlenbergia utilis</i> (Torr.) Hitchc. . . . .	Aparejo grass.
<i>M. asperifolia</i> (Nees & Meyer) Parodi ( <i>Sporobolus</i> <i>asperifolius</i> ) . . . . .	Scratchgrass.
<i>Sporobolus virginicus</i> (L.) Kunth . . . . .	Dropseed.
<i>S. texanus</i> Vasey . . . . .	Do.
<i>Crypsis aculeata</i> (L.) Ait. . . . .	Crypsis.
<i>Leptochloa fascicularis</i> (Lam.) A. Gray ( <i>Diplachne</i> <i>fascicularis</i> , <i>D. acuminata</i> , <i>D. procumbens</i> , <i>D. maritima</i> ) . . . . .	Sprangletop.
<i>L. uninervia</i> (Presl) Hitchc. & Chase . . . . .	Do.
<i>L. nealleyi</i> Vasey . . . . .	Do.
<i>L. scabra</i> Nees . . . . .	Do.
<i>L. panicoides</i> (Presl) Hitchc. ( <i>L. floribunda</i> , <i>Diplachne halei</i> ) . . . . .	Do.



## GRAMINEAE--Continued.

## GRASS FAMILY.

Beckmannia syzigachne (Steud.) Fern. (B. erucaeformis of manuals)	Sloughgrass.
Spartina pectinata Link (S. michauxiana, S. cynosuroides of Small's Flora)	Prairie cordgrass.
Spartina cynosuroides (L.) Roth (S. polystachya)	Big cordgrass.
S. leiantha Benth. (S. foliosa)	California cordgrass.
S. alterniflora Lois. (S. glabra, S. stricta)	Saltmarsh cordgrass.
S. spartinae (Trin.) Merr. (S. junciformis)	Needle cordgrass
S. gracilis Trin.	Alkali cordgrass
S. patens (Ait.) Muhl.	Saltmeadow cordgrass.
Chloris glauca (Chapm.) Wood (Eustachys glauca)	Fingergrass.
Hierochloa odorata (L.) Beauv. (Savastana odorata, S. nashii, Torresia odorata)	Sweetgrass.
Phalaris arundinacea L.	Reed canary-grass.
Oryza sativa L.	Rice.
Leersia lenticularis Michx. (Homalocenchrus lenticularis)	Roundfruit cutgrass.
L. oryzoides (L.) Swartz (Homalocenchrus oryzoides)	Rice cutgrass.
L. hexandra Swartz (Homalocenchrus hexandrus)	Southern cutgrass.
Zizania aquatica L. (Z. interior, Z. palustris of Gray's Manual)	Wildrice.
Z. aquatica var. angustifolia Hitchc. (Z. aquatica of Gray's Manual, Z. palustris of Rydberg's Flora of the Prairies and Plains)	Do.
Z. texana Hitchc.	Texas wildrice.
Zizaniopsis miliacea (Michx.) Doell & Aschers.	Giant cutgrass.
Luziola peruviana Gmel.	Luziola.
L. bahiensis (Steud.) Hitchc. (L. alabamensis)	Do.
Hydrochloa carolinensis Beauv. (H. fluitans)	Hydrochloa.
Eriochloa contracta Hitchc.	Eriochloa.
E. punctata (L.) Desv.	Do.
E. michauxii (Roem. & Schult.) Hitchc. (E. mollis)	Do.
Axonopus furcatus (Flügge) Hitchc. (Anastrophus furcatus, Anastrophus paspaloides)	Axonopus.
Reimarochloa oligostachya (Munro) Hitchc. (Reimaria oligostachya)	Reimarochloa.
Paspalum dissectum L. (P. membranaceum)	Paspalum.
P. acuminatum Raddi	Do.
P. repens Bergius (P. mucronatum)	Do.
P. distichum L.	Do.
P. pubiflorum Rupr. (P. hallii, P. laeviglume)	Do.
P. lividum Trin.	Do.
P. hartwegianum Fourn.	Do.
P. boscianum Flügge	Bull paspalum.
Panicum caerulescens Hack.	Panicum.
P. wrightianum Scribn.	Do.

## GRAMINEAE--Continued.

<i>Panicum implicatum</i> Scribn. . . . .
<i>P. thermale</i> Boland. . . . .
<i>P. scabriusculum</i> Ell. . . . .
<i>P. geminatum</i> Forsk. ( <i>P. paspaloides</i> ) . . . . .
<i>P. paludivagum</i> Hitchc. & Chase . . . . .
<i>P. purpurascens</i> Raddi. . . . .
<i>P. dichotomiflorum</i> Michx. . . . .
<i>P. bartowense</i> Scribn. & Merr. . . . .
<i>P. virgatum</i> L. . . . .
<i>P. agrostoides</i> Spreng. . . . .
<i>P. condensum</i> Nash . . . . .
<i>P. hemitomon</i> Schult. ( <i>P. digitarioides</i> ) . . . . .
<i>P. gymnocarpon</i> Ell. ( <i>Phanopyrum gymnocarpon</i> ) . . . . .
<i>Sacciolepis striata</i> (L.) Nash ( <i>S. gibba</i> ) . . . . .
<i>Echinochloa colonum</i> (L.) Link . . . . .
<i>E. crusgalli</i> (L.) Beauv. ( <i>E. zelayensis</i> , <i>E. occidentalis</i> , <i>E. microstachya</i> , <i>E. pungens</i> ).
<i>E. crus-pavonis</i> (HBK.) Schult. . . . .
<i>E. paludigena</i> Wiegand . . . . .
<i>E. walteri</i> (Pursh) Heller ( <i>E. longearistata</i> ) . . . . .
<i>Setaria geniculata</i> (Lam.) Beauv. ( <i>S. imberbis</i> , <i>Chaetochloa imberbis</i> , <i>C. geniculata</i> , <i>C. versicolor</i> , <i>C. occidentalis</i> , <i>C. purpurascens</i> , <i>C. gracilis</i> ) . . . . .
<i>S. magna</i> Griseb. ( <i>Chaetochloa magna</i> ) . . . . .
<i>Erianthus strictus</i> Baldw. . . . .
<i>Andropogon glomeratus</i> (Walt.) BSP. ( <i>A. corym-</i> <i>bosus</i> ) . . . . .
<i>Manisuris altissima</i> (Poir.) Hitchc. . . . .
<i>M. rugosa</i> (Nutt.) Kuntze ( <i>M. chapmanii</i> , <i>Rottboellia rugosa</i> , <i>Coelorachis rugosa</i> ) . . . . .
<i>Tripsacum dactyloides</i> (L.) L. . . . .

## GRASS FAMILY.

<i>Panicum</i> .
Do.
Do.
Do.
Do.
Para grass.
Fall panicum.
<i>Panicum</i> .
Switchgrass.
<i>Panicum</i> .
Do.
Maidencane.
<i>Panicum</i> .
<i>Sacciolepis</i> .
Jungle-rice.
Wild millet.
Do.
Do.
Do.
Pigeongrass.
Giant setaria.
Plumegrass.
Bushy broomsedge.
<i>Manisuris</i> .
Do.
Gamagrass.

## CYPERACEAE

<i>Cyperus flavescens</i> L. . . . .
<i>C. diandrus</i> Torr. . . . .
<i>C. melanostachyus</i> HBK. . . . .
<i>C. rivularis</i> Kunth . . . . .
<i>C. helvus</i> Liebm. . . . .
<i>C. filicinus</i> Vahl ( <i>C. muttallii</i> ) . . . . .
<i>C. microdontus</i> Torr. . . . .
<i>C. gatesii</i> Torr. ( <i>C. paniculatus</i> ) . . . . .
<i>C. odoratus</i> L. ( <i>C. polystachyus</i> ) . . . . .
<i>C. flavicomus</i> Michx. ( <i>C. sabulosus</i> ?) . . . . .
<i>C. aristatus</i> Rottb. ( <i>C. inflexus</i> ) . . . . .
<i>C. acuminatus</i> Torr. & Hook. . . . .
<i>C. fendlerianus</i> Boeckel. . . . .
<i>C. pseudovegetus</i> Steud. . . . .
<i>C. iria</i> L. . . . .
<i>C. haspan</i> L. . . . .
<i>C. alternifolius</i> L. . . . .

## SEDGE FAMILY.

<i>Cyperus</i> .
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Do.
Umbrella-sedge.



## CYPERACEAE--Continued.

## SEDGE FAMILY.

<i>Cyperus dentatus</i> Torr.	<i>Cyperus</i> .
<i>C. rotundus</i> L.	Do.
<i>C. esculentus</i> L.	Chufa.
<i>C. articulatus</i> L.	Roundstem cyperus.
<i>C. erythrorhizos</i> Muhl.	<i>Cyperus</i> .
<i>C. ferax</i> Richard ( <i>C. speciosus</i> )	Do.
<i>C. longispicatus</i> Norton	Do.
<i>C. engelmanni</i> Steud.	Do.
<i>C. strigosus</i> L.	Do.
<i>C. pollardi</i> Britton	Do.
<i>Kyllinga pumila</i> Michx.	<i>Kyllinga</i> .
<i>K. odorata</i> Vahl	Do.
<i>Dulichium arundinaceum</i> (L.) Britton	<i>Dulichium</i> .
<i>Eleocharis</i> spp. (based on Svenson, except for <i>E. palustris</i> and its allies)	Spikerushes.
<i>E. quadrangulata</i> (Michx.) R. & S. ( <i>E. mutata</i> of manuals)	Squarestem spike- rush.
<i>E. cellulosa</i> Torr.	Gulf-coast spike- rush.
<i>E. interstincta</i> (Vahl) R. & S.	Jointed spikerush.
<i>E. equisetoides</i> (Ell.) Torr. ( <i>E. interstincta</i> , in large part, of manuals)	Do.
<i>E. robbinsii</i> Oakes	Trianglestem spike- rush.
<i>E. elongata</i> Chapman	Spikerush.
<i>E. pauciflora</i> (Lightf.) Link ( <i>Scirpus pauciflorus</i> )	Do.
<i>E. parvula</i> (R. & S.) Link ( <i>E. pygmaea</i> , <i>Scirpus</i> <i>nanus</i> , <i>S. coloradensis</i> )	Dwarf spikerush.
<i>E. rostellata</i> Torr.	Spikerush.
<i>E. bella</i> (Piper) Svenson	Do.
<i>E. reverchonii</i> Svenson	Do.
<i>E. wolffii</i> A. Gray	Do.
<i>E. acicularis</i> (L.) R. & S.	Slender spikerush.
<i>E. obtusa</i> (Willd.) Schultes	Spikerush.
<i>E. ovata</i> (Roth) R. & S. ( <i>E. diandra</i> )	Do.
<i>E. engelmanni</i> Steud. ( <i>E. monticola</i> )	Do.
<i>E. lanceolata</i> Fern.	Do.
<i>E. atropurpurea</i> (Retz.) Kunth	Do.
<i>E. olivacea</i> Torr.	Do.
<i>E. flavescens</i> (Poir.) Urban ( <i>E. ochreata</i> , <i>E. flaccida</i> , <i>E. thermalis</i> )	Do.
<i>E. sintenisii</i> Boeckl.	Do.
<i>E. geniculata</i> (L.) R. & S. ( <i>E. capitata</i> , <i>E. caribaea</i> )	Do.
<i>E. palustris</i> (L.) R. & S. ( <i>E. smallii</i> , <i>E. macro-</i> <i>stachya</i> , <i>E. calva</i> , <i>E. mamillata</i> , <i>E. uniglumis</i> , <i>E. xyridiformis</i> , <i>E. glaucescens</i> )	Common spikerush.
<i>E. elliptica</i> Kunth	Spikerush.
<i>E. tenuis</i> (Willd.) Schultes ( <i>E. capitata</i> of Small's Manual)	Do.
<i>E. compressa</i> Sull. ( <i>E. acuminata</i> )	Do.
<i>E. nitida</i> Fern.	Do.
<i>E. acutisquamata</i> Buckley	Do.



## CYPERACEAE--Continued.

## SEDGE FAMILY.

<i>Eleocharis tricostrata</i> Torr. . . . .	Spikerush.
<i>E. cylindrica</i> Buckley . . . . .	Do.
<i>E. bolanderi</i> A. Gray . . . . .	Do.
<i>E. palmeri</i> Svenson . . . . .	Do.
<i>E. decumbens</i> Clarke . . . . .	Do.
<i>E. parishii</i> Britton . . . . .	Do.
<i>E. intermedia</i> (Muhl.) Schultes . . . . .	Do.
<i>E. macounii</i> Fern. . . . .	Do.
<i>E. montevidensis</i> Kunth ( <i>E. arenicola</i> , <i>E. montana</i> ) . . . . .	Do.
<i>E. nodulosa</i> (Roth) Schultes . . . . .	Do.
<i>E. elegans</i> (HBK.) R. & S. . . . .	Do.
<i>E. minima</i> Kunth . . . . .	Do.
<i>E. nana</i> Kunth . . . . .	Do.
<i>E. nigrescens</i> (Nees) Steudel . . . . .	Do.
<i>E. microcarpa</i> Torr. ( <i>E. torreyana</i> ) . . . . .	Do.
<i>E. retroflexa</i> (Poir.) Urban . . . . .	Do.
<i>E. baldwinii</i> (Torr.) Chapm. ( <i>E. prolifera</i> of Small's Flora and Manual) . . . . .	Do.
<i>E. vivipara</i> Link . . . . .	Water spikerush.
<i>E. tortilis</i> (Link) Schultes . . . . .	Spikerush.
<i>E. tuberculosa</i> (Michx.) R. & S. ( <i>E. simplex</i> ) . . . . .	Do.
<i>E. melanocarpa</i> Torr. . . . .	Do.
<i>E. albida</i> Torr. . . . .	Do.
<i>Websteria submersa</i> (Sauv.) Britton . . . . .	Websteria.
<i>Psilocarya scirpoides</i> Torr. . . . .	Baldrush.
<i>P. nitens</i> (Vahl) Wood . . . . .	Do.
<i>Fimbristylis castanea</i> (Michx.) Vahl ( <i>F. spadicea</i> ) . . . . .	Fimbristylis.
<i>F. puberula</i> (Michx.) Vahl ( <i>F. interior</i> , <i>F. castanea</i> of Gray's Manual and Small's Flora) . . . . .	Do.
<i>F. miliacea</i> Vahl . . . . .	Do.
<i>F. thermalis</i> S. Wats. . . . .	Do.
<i>Scirpus cermuus</i> Vahl . . . . .	Bulrush.
<i>S. subterminalis</i> Torr. . . . .	Water bulrush.
<i>S. rufus</i> (Huds.) Schrad. . . . .	Bulrush.
<i>S. hallii</i> A. Gray . . . . .	Do.
<i>S. debilis</i> Pursh . . . . .	Do.
<i>S. smithii</i> A. Gray . . . . .	Do.
<i>S. saximontanus</i> Fern. . . . .	Do.
<i>S. americanus</i> Pers. . . . .	Common three-square.
<i>S. torreyi</i> Olney . . . . .	Torrey's three- square.
<i>S. olneyi</i> A. Gray . . . . .	Olney's three- square.
<i>S. nevadensis</i> S. Wats. . . . .	Bulrush.
<i>S. etuberculatus</i> (Steud.) Kuntze ( <i>S. cylindricus</i> ) . . . . .	Swamp bulrush
<i>S. validus</i> Vahl ( <i>S. lacustris</i> ) . . . . .	Softstem bulrush.
<i>S. acutus</i> Muhl. ( <i>S. occidentalis</i> ) . . . . .	Hardstem bulrush.
<i>S. heterochaetus</i> Chase . . . . .	Slender bulrush.
<i>S. californicus</i> (C. A. Meyer) Britton . . . . .	Southern bulrush.

## CYPERACEAE--Continued.

## SEDGE FAMILY.

<i>Scirpus fluviatilis</i> (Torr.) A. Gray	River bulrush.
<i>S. robustus</i> Pursh ( <i>S. pacificus</i> )	Saltmarsh bulrush.
<i>S. paludosus</i> A. Nels. ( <i>S. campestris</i> , <i>S. fernaldi</i> , <i>S. novae-angliae</i> )	Alkali bulrush.
<i>S. microcarpus</i> Presl. ( <i>S. rubrotinctus</i> )	Bulrush.
<i>S. sylvaticus</i> L.	Do.
<i>S. atrovirens</i> Muhl. ( <i>S. pallidus</i> )	Do.
<i>S. polyphyllus</i> Vahl	Do.
<i>S. lineatus</i> Michx.	Do.
<i>S. cyperinus</i> (L.) Kunth ( <i>S. eriophorum</i> , <i>S. pedicellatus</i> )	Woolgrass.
<i>S. atrocinctus</i> Fern.	Bulrush.
<i>S. cubensis</i> Poepp. & Kunth	Do.
<i>Fuirena scirpoidea</i> Michx.	Fuirena.
<i>F. squarrosa</i> Michx.	Do.
<i>F. hispida</i> Ell.	Do.
<i>Hemicarpha micrantha</i> (Vahl) Pax	Hemicarpha.
<i>Lipocarpa maculata</i> (Michx.) Torr.	Lipocarpa.
<i>Rhynchospora corniculata</i> (Lam.) A. Gray ( <i>R. macrostachya</i> , <i>R. inundata</i> , <i>R. careyana</i> )	Beakrush.
<i>R. microcarpa</i> Baldw.	Do.
<i>Cladium mariscoides</i> (Muhl.) Torr. ( <i>Mariscus maris-</i> <i>coides</i> )	Cladium.
<i>C. jamaicense</i> Crantz ( <i>C. effusum</i> , <i>Mariscus</i> <i>jamaicensis</i> )	Sawgrass.
<i>C. mariscus</i> R. Br. ( <i>Mariscus californicus</i> )	Do.
<i>Carex</i> spp. (based on Mackenzie)	Sedges.
<i>C. simulata</i> Mackenzie	Sedge.
<i>C. sartwellii</i> Dewey	Do.
<i>C. chordorrhiza</i> L. f.	Do.
<i>C. vicaria</i> L. H. Bailey	Do.
<i>C. triangularis</i> Boeckl.	Do.
<i>C. vulpinoidea</i> Michx.	Do.
<i>C. diandra</i> Schrank	Do.
<i>C. prairea</i> Dewey ( <i>C. diandra</i> var. <i>ramosa</i> )	Do.
<i>C. cusickii</i> Mackenzie	Do.
<i>C. oklahomensis</i> Mackenzie	Do.
<i>C. stipata</i> Muhl.	Do.
<i>C. crus-corvi</i> Shuttlew.	Do.
<i>C. loliacea</i> L.	Do.
<i>C. marina</i> Dewey ( <i>C. amphigena</i> , <i>C. glareosa</i> var. <i>amphigena</i> )	Do.
<i>C. glareosa</i> Vahl.	Do.
<i>C. interior</i> L. H. Bailey ( <i>C. scirpoides</i> , in part, of Gray's Manual)	Do.
<i>C. sterilis</i> Willd. ( <i>C. scirpoides</i> , in part, of Gray's Manual)	Do.
<i>C. angustior</i> Mackenzie ( <i>C. stellulata</i> var. <i>angustata</i> )	Do.
<i>C. tracyi</i> Mackenzie	Do.

## CYPERACEAE--Continued.

## SEDGE FAMILY.

	Sedge.
<i>Carex scoparia</i> Schkuhr . . . . .	Do.
<i>C. normanodes</i> Fern . . . . .	Do.
<i>C. alata</i> Torr . . . . .	Do.
<i>C. tribuloides</i> Wahl . . . . .	Do.
<i>C. cristatella</i> Britton ( <i>C. cristata</i> ) . . . . .	Do.
<i>C. extensa</i> Gooden . . . . .	Do.
<i>C. viridula</i> Michx. ( <i>C. oederi</i> of manuals) . . . . .	Do.
<i>C. chlorophila</i> Mackenzie . . . . .	Do.
<i>C. lanuginosa</i> Michx . . . . .	Do.
<i>C. lasiocarpa</i> Ehrh. ( <i>C. filiformis</i> ) . . . . .	Do.
<i>C. amplifolia</i> Boott . . . . .	Do.
<i>C. kolloggii</i> W. Boott . . . . .	Do.
<i>C. hindsii</i> C. B. Clarke . . . . .	Do.
<i>C. acuta</i> L. ( <i>C. goodenowii</i> ) . . . . .	Do.
<i>C. nebraskensis</i> Dewey . . . . .	Do.
<i>C. aperta</i> Boott . . . . .	Do.
<i>C. aquatilis</i> Wahl . . . . .	Do.
<i>C. emoryi</i> Dewey . . . . .	Do.
<i>C. strictior</i> Dewey ( <i>C. stricta</i> , in part, of manuals) . . . . .	Do.
<i>C. stricta</i> Lam. . . . .	Do.
<i>C. eurycarpa</i> Holn ( <i>C. oxycarpa</i> ) . . . . .	Do.
<i>C. palcacea</i> Wahl. ( <i>C. maritima</i> ) . . . . .	Do.
<i>C. recta</i> Boott ( <i>C. salina</i> var. <i>cuspidata</i> ) . . . . .	Do.
<i>C. hystricina</i> Muhl . . . . .	Do.
<i>C. comosa</i> Boott . . . . .	Do.
<i>C. lacustris</i> Willd. ( <i>C. riparia</i> ) . . . . .	Do.
<i>C. hyalinolepis</i> Steud. ( <i>C. impressa</i> , <i>C. riparia</i> of Small's Flora) . . . . .	Do.
<i>C. laeviconica</i> Dewey ( <i>C. trichocarpa</i> var. <i>deweyi</i> ) . . . . .	Do.
<i>C. atherodes</i> Spreng. ( <i>C. trichocarpa</i> var. <i>aristata</i> ) . . . . .	Do.
<i>C. trichocarpa</i> Muhl . . . . .	Do.
<i>C. sheldonii</i> Mackenzie . . . . .	Do.
<i>C. frankii</i> Kunth . . . . .	Do.
<i>C. miliaris</i> Michx. ( <i>C. saxatilis</i> var. <i>miliaris</i> ) . . . . .	Do.
<i>C. vesicaria</i> L. ( <i>C. monile</i> ) . . . . .	Do.
<i>C. exsiccata</i> L. H. Bailey . . . . .	Do.
<i>C. rostrata</i> Stokes . . . . .	Do.
<i>C. lurida</i> Wahl . . . . .	Do.
<i>C. lupulina</i> Muhl . . . . .	Do.

## ARACEAE

## ARUM FAMILY.

<i>Peltandra virginica</i> (L.) Kunth . . . . .	Arrow-arum.
<i>P. glauca</i> (Ell.) Feay ( <i>P. sagittaeifolia</i> ) . . . . .	Do.
<i>Pistia stratiotes</i> L. . . . .	Waterlettuce
<i>Calla palustris</i> L. . . . .	Wild calla.
<i>Orontium aquaticum</i> L. . . . .	Goldenclub.
<i>Acorus calamus</i> L. . . . .	Sweetflag.



# LEMNACEAE

<i>Spirodela polyrhiza</i> (L.) Schleid. . . . .	DUCKWEED FAMILY.
<i>Lemna trisulca</i> L. . . . .	Big duckweed.
<i>L. gibba</i> L. . . . .	Star duckweed.
<i>L. valdiviana</i> Philippi ( <i>L. cyclostasa</i> ) . . . . .	Duckweed.
<i>L. perpusilla</i> Torr. . . . .	Do.
<i>L. minor</i> L. . . . .	Do.
<i>L. minima</i> Philippi . . . . .	Do.
<i>L. trinervis</i> (Austin) Small . . . . .	Do.
<i>Wolffia columbiana</i> Karst. ( <i>Bruneria columbiana</i> ) . . . . .	Watermeal.
<i>W. punctata</i> Griseb. ( <i>Bruneria punctata</i> ) . . . . .	Do.
<i>W. papulifera</i> C. H. Thompson . . . . .	Do.
<i>Wolffiella floridana</i> (J. D. Smith) C. H. Thompson . . . . .	Wolffiella.
<i>W. oblonga</i> (Philippi) Hegelm. . . . .	Do.
<i>W. lingulata</i> Hegelm. . . . .	Do.

# ERIOCAULACEAE

<i>Eriocaulon decangulare</i> L. . . . .	PIPEWORT FAMILY.
<i>E. compressum</i> Lam. . . . .	Pipewort.
<i>E. septangulare</i> With. ( <i>E. articulatum</i> ) . . . . .	Do.
<i>E. parkeri</i> Robinson . . . . .	Do.

# XYRIDACEAE

<i>Xyris caroliniana</i> Walt. . . . .	YELLOW-EYED-GRASS FAMILY.
<i>X. flexuosa</i> Muhl. ( <i>X. torta</i> of Small's Manual) . . . . .	Yellow-eyed-grass.
<i>X. stricta</i> Chapm. . . . .	Do.
<i>X. iridifolia</i> Chapm. . . . .	Do.
<i>X. smalliana</i> Nash ( <i>X. congdoni</i> ) . . . . .	Do.
<i>X. fimbriata</i> Ell. . . . .	Do.

# MAYACACEAE

<i>Mayaca aubleti</i> Michx. . . . .	MAYACA FAMILY.
<i>M. fluviatilis</i> Aubl. . . . .	Mayaca.

# PONTEDERIACEAE

<i>Eichhornia crassipes</i> Solms ( <i>Piaropus crassipes</i> ) . . . . .	PICKERELWEED FAMILY.
<i>Pontederia cordata</i> L. . . . .	Water-hyacinth.
<i>P. lanceolata</i> Nutt. . . . .	Pickerelweed.
<i>Heteranthera peduncularis</i> Benth. . . . .	Do.
<i>H. reniformis</i> R. & P. . . . .	Mudplantain.
<i>H. limosa</i> (Swartz) Willd. . . . .	Do.
<i>H. dubia</i> (Jacq.) MacM. ( <i>Zosterella dubia</i> ) . . . . .	Do.
	Waterstargrass.

# JUNCACEAE

<i>Juncus bufonius</i> L. . . . .	RUSH FAMILY.
<i>J. gerardi</i> Lois. . . . .	Rush.
<i>J. covillei</i> Piper . . . . .	Blackrush.
	Rush.

## JUNACEAE--Continued.

## RUSH FAMILY.

<i>Juncus setaceus</i> Rostk. . . . .	Rush.
<i>J. acutus</i> L. . . . .	Do.
<i>J. cooperi</i> Engelm. . . . .	Do.
<i>J. lescurii</i> Boland. . . . .	Do.
<i>J. balticus</i> Willd. ( <i>J. litorum</i> ) . . . . .	Baltic rush.
<i>J. filiformis</i> L. . . . .	Rush.
<i>J. effusus</i> L. . . . .	Common rush.
<i>J. patens</i> Meyer . . . . .	Rush.
<i>J. roemerianus</i> Scheele. . . . .	Needlerush.
<i>J. brachycephalus</i> (Engelm.) Buch. . . . .	Rush.
<i>J. brevicaudatus</i> (Engelm.) Fern. . . . .	Do.
<i>J. canadensis</i> J. Gay . . . . .	Do.
<i>J. pelocarpus</i> Meyer . . . . .	Do.
<i>J. abortivus</i> Chapm. . . . .	Do.
<i>J. subtilis</i> Meyer . . . . .	Do.
<i>J. bulbosus</i> L. . . . .	Do.
<i>J. militaris</i> Bigel. . . . .	Do.
<i>J. polycephalus</i> Michx. . . . .	Do.
<i>J. nodosus</i> L. . . . .	Do.
<i>J. torreyi</i> Coville . . . . .	Do.
<i>J. acuminatus</i> Michx. . . . .	Do.
<i>J. rugulosus</i> Engelm. . . . .	Do.
<i>J. xiphioides</i> Meyer . . . . .	Do.
<i>J. supiniformis</i> Engelm. . . . .	Do.
<i>J. alpinus</i> Vill. ( <i>J. richardsonianus</i> ) . . . . .	Do.
<i>J. articulatus</i> L. . . . .	Do.
<i>J. repens</i> Michx. . . . .	Do.

## AMARYLLIDACEAE

## AMARYLLIS FAMILY.

<i>Hymenocallis occidentalis</i> (LeConte) Kunth . . . . .	Spiderlily.
<i>H. crassifolia</i> Herb. . . . .	Do.
<i>H. tridentata</i> Small . . . . .	Do.
<i>Crinum americanum</i> L. . . . .	Crinum.

## IRIDACEAE

## IRIS FAMILY.

<i>Iris versicolor</i> L. . . . .	Iris.
<i>I. virginica</i> L. ( <i>I. caroliniana</i> , <i>I. georgiana</i> ). . . . .	Do.
<i>I. missouriensis</i> Nutt. . . . .	Rocky Mountain iris.
<i>I. prismatica</i> Pursh . . . . .	Iris.
<i>I. fulva</i> Ker. . . . .	Copper iris.
<i>I. pseudacorus</i> L. . . . .	Iris.
<i>Sisyrinchium atlanticum</i> Bicknell . . . . .	Blue-eyed-grass.

## CANNACEAE

## CANNA FAMILY.

<i>Canna flaccida</i> Salisb. . . . .	Canna.
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## MARANTACEAE

## ARROWROOT FAMILY.

<i>Thalia dealbata</i> Roscoe ( <i>T. barbata</i> ) . . . . .	Thalia.
<i>T. geniculata</i> L. ( <i>T. divaricata</i> ) . . . . .	Do.

PIPERACEAE	PEPPER FAMILY.
Saururus cernuus L. . . . .	Lizardtail.
Anemopsis californica (Nutt.) Hook. . . . .	Yerba mansa.
MYRICACEAE	SWEETGALE FAMILY.
Myrica gale L. . . . .	Sweetgale.
M. cerifera L. (Morella cerifera, Cerrothamnus ceriferus) . . . . .	Waxmyrtle.
M. carolinensis Mill. (Morella carolinensis, Cerrothamnus carolinensis) . . . . .	Bayberry.
URTICACEAE	NETTLE FAMILY.
Pilea pumila (L.) A. Gray (Adicea pumila) . . . . .	Clearweed.
POLYGONACEAE	BUCKWHEAT FAMILY.
Rumex occidentalis S. Wats. . . . .	Western dock.
R. britannica L. . . . .	Marsh dock.
R. pallidus Bigel. . . . .	White dock.
R. verticillatus L. . . . .	Swamp dock.
R. persicarioides L. (R. maritimus) . . . . .	Golden dock.
Polygonum lapathifolium L. (Persicaria lapathifolia, Persicaria incarnata) . . . . .	Nodding smartweed.
P. tomentosum Schrank (Persicaria tomentosa, Persicaria incana) . . . . .	Smartweed.
P. portoricense Bertero (P. densiflorum, Persicaria portoricensis) . . . . .	Do.
P. amphibium L. (Persicaria amphibia, Persicaria fluitans, Persicaria coccinea of Rydberg's Flora of the Rocky Mountains) . . . . .	Water smartweed.
P. muhlenbergii (Meisn.) S. Wats. (Persicaria muhlenbergii, Persicaria emersa, Persicaria coccinea of Rydberg's Flora of the Prairies and Plains) . . . . .	Marsh smartweed.
P. pennsylvanicum L. (Persicaria pennsylvanica) . . . . .	Largeseed smartweed.
P. longistylum Small (Persicaria longistyla) . . . . .	Smartweed.
P. omissum Greene (Persicaria omissa) . . . . .	Do.
P. careyi Olney (Persicaria careyi) . . . . .	Do.
P. hydropiper L. (Persicaria hydropiper) . . . . .	Waterpepper.
P. punctatum Ell. (P. acre, Persicaria punctata) . . . . .	Dotted smartweed.
P. persicaria L. (Persicaria persicaria, Persicaria maculosa) . . . . .	Ladysthumb.
P. hirsutum Walt. (Persicaria hirsuta) . . . . .	Smartweed.
P. setaceum Baldw. (Persicaria setacea) . . . . .	Do.
P. hydropiperoides Michx. (Persicaria hydropiperoides, Persicaria opelousana) . . . . .	Swamp smartweed.
P. arifolium L. (Tracaulon arifolium) . . . . .	Tearthumb.
P. sagittatum L. (Tracaulon sagittatum) . . . . .	Do.



# CHENOPODIACEAE

# GOOSEFOOT FAMILY.

<i>Chenopodium rubrum</i> L. . . . .	Red goosefoot.
<i>C. glaucum</i> L. . . . .	Oakleaf goosefoot.
<i>Atriplex patula</i> L. ( <i>A. hastata</i> ) . . . . .	Saltbush.
<i>Salicornia bigelovii</i> Torr. ( <i>S. mucronata</i> ) . . . . .	Glasswort.
<i>S. europaea</i> L. ( <i>S. herbacea</i> ) . . . . .	Do.
<i>S. rubra</i> A. Nels. . . . .	Do.
<i>S. subterminalis</i> Parish . . . . .	Do.
<i>S. ambigua</i> Michx. ( <i>S. perennis</i> , <i>S. utahensis</i> ) . . . . .	Do.
<i>Allenrolfea occidentalis</i> ( <i>S. Wats.</i> ) Kuntze . . . . .	Burro-weed.
<i>Suaeda torreyana</i> S. Wats. ( <i>S. moquini</i> , <i>Dondia torreyana</i> ) . . . . .	Sea blite.
<i>S. maritima</i> (L.) Dumort. ( <i>Dondia maritima</i> ) . . . . .	Do.
<i>S. richii</i> Fern. . . . .	Do.
<i>S. americana</i> (Pers.) Fern. ( <i>Dondia linearis</i> ) . . . . .	Do.
<i>S. depressa</i> (Pursh) S. Wats. ( <i>Dondia depressa</i> ) . . . . .	Do.

# AMARANTHACEAE

# AMARANTH FAMILY.

<i>Acnida cannabina</i> L. . . . .	Tidmarsh waterhemp.
<i>A. cuspidata</i> Bertero ( <i>A. australis</i> ) . . . . .	Waterhemp.
<i>A. floridana</i> S. Wats. . . . .	Do.
<i>A. alabamensis</i> Standley . . . . .	Gulf-coast waterhemp.
<i>A. tuberculata</i> Moq. ( <i>A. altissima</i> , <i>A. subnuda</i> ) . . . . .	Waterhemp.
<i>A. tamariscina</i> (Nutt.) Wood . . . . .	Do.
<i>Alternanthera philoxeroides</i> (Martius) Griseb. ( <i>Achyranthes philoxeroides</i> ) . . . . .	Alligatorweed.

# BATIDACEAE

# SALTWORT FAMILY.

<i>Batis maritima</i> L. . . . .	Saltwort.
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# CARYOPHYLLACEAE

# PINK FAMILY.

<i>Spergularia marina</i> (L.) Griseb. ( <i>S. salina</i> , <i>Tissa marina</i> , <i>T. salina</i> ) . . . . .	Sandspurry.
<i>S. canadensis</i> (Pers.) G. Don ( <i>Tissa canadensis</i> ) . . . . .	Do.

# PORTULACACEAE

# PURSLANE FAMILY.

<i>Montia fontana</i> L. . . . .	Blinks.
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# CERATOPHYLLACEAE

# HORNWORT FAMILY.

<i>Ceratophyllum demersum</i> L. ( <i>C. submersum</i> , <i>C. echinatum</i> ) . . . . .	Coontail.
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# NYMPHAEACEAE

# WATERLILY FAMILY.

<i>Nuphar</i> spp. (based on Standley) . . . . .	Spatterdocks.
<i>N. microphyllum</i> (Pers.) Fern. ( <i>Nymphaea microphylla</i> ) . . . . .	Spatterdock.
<i>N. rubrodiscum</i> Morong ( <i>Nymphaea rubrodisca</i> ) . . . . .	Do.

NYMPHAEACEAE--Continued.

WATERLILY FAMILY.

<i>Nuphar variegatum</i> Engelm. ( <i>Nymphaea</i> <i>variegata</i> ) . . . . .	Spatterdock.
<i>N. fraternum</i> (Miller & Standl.) Standl. . . . .	Do.
<i>N. advena</i> (Ait.) Ait. f. ( <i>Nymphaea advena</i> , <i>N. macrophylla</i> ) . . . . .	Do.
<i>N. ozarkanum</i> (Miller & Standl.) Standl. . . . .	Do.
<i>N. ludovicianum</i> (Miller & Standl.) Standl. . . . .	Do.
<i>N. fluviatile</i> (Harper) Standl. ( <i>Nymphaea</i> <i>fluviatilis</i> ) . . . . .	Do.
<i>N. chartaceum</i> (Miller & Standl.) Standl. ( <i>Nymphaea chartacea</i> ) . . . . .	Do.
<i>N. sagittaeifolium</i> (Walt.) Pursh ( <i>Nymphaea</i> <i>sagittifolia</i> ) . . . . .	Do.
<i>N. ulvaceum</i> (Miller & Standl.) Standl. ( <i>Nymphaea ulvacea</i> ) . . . . .	Do.
<i>N. ovatum</i> (Miller & Standl.) Standl. . . . .	Do.
<i>N. puberulum</i> (Miller & Standl.) Standl. . . . .	Do.
<i>N. microcarpum</i> (Miller & Standl.) Standl. . . . .	Do.
<i>N. orbiculatum</i> (Small) Standl. ( <i>Nymphaea</i> <i>orbiculata</i> ) . . . . .	Do.
<i>N. bombycinum</i> (Miller & Standl.) Standl. ( <i>Nymphaea bombycina</i> ) . . . . .	Do.
<i>N. polysepalum</i> Engelm. ( <i>Nymphaea polysepala</i> ) . . . . .	Do.
<i>Nymphaea elegans</i> Hook. ( <i>Castalia elegans</i> ) . . . . .	Waterlily.
<i>N. ampla</i> (Salisb.) DC. ( <i>Castalia ampla</i> ) . . . . .	Do.
<i>N. mexicana</i> Zuccarini ( <i>Castalia flava</i> ) . . . . .	Banana waterlily.
<i>N. tetragona</i> Georgi ( <i>N. leibergii</i> , <i>Castalia</i> <i>tetragona</i> , <i>C. leibergii</i> ) . . . . .	Waterlily.
<i>N. odorata</i> Ait. ( <i>Castalia odorata</i> , <i>C. minor</i> , <i>C. reniformis</i> , <i>C. lekophylla</i> ) . . . . .	Do.
<i>N. tuberosa</i> Paine ( <i>Castalia tuberosa</i> ) . . . . .	Do.
<i>Nelumbo pentapetala</i> (Walt.) Fern. ( <i>N. lutea</i> ) . . . . .	American lotus.
<i>N. nucifera</i> Gaertn. ( <i>N. nelumbo</i> ) . . . . .	Hindu lotus.
<i>Brasenia schreberi</i> Gmel. ( <i>B. purpurea</i> ) . . . . .	Watershield.
<i>Cabomba caroliniana</i> A. Gray. . . . .	Fanwort.

RANUNCULACEAE

CROWFOOT FAMILY.

<i>Ranunculus longirostris</i> Godron ( <i>R. circinatus</i> and <i>Batrachium circinatum</i> , in part, of manuals, <i>B. divaricatum</i> , <i>B. longirostre</i> ) . . . . .	White water buttercup.
<i>R. subrigidus</i> Drew ( <i>R. circinatus</i> and <i>Batra-</i> <i>chium circinatum</i> , in part, of manuals) . . . . .	Do.
<i>R. trichophyllus</i> Chaix ( <i>R. aquatilis</i> , <i>Batrachium trichophyllum</i> , <i>B. grayanus</i> , <i>B. confervoides</i> , <i>B. porteri</i> , <i>B. flaccidum</i> , <i>B. drouetii</i> ?) . . . . .	Do.
<i>R. hederaceus</i> L. ( <i>Batrachium hederaceum</i> ) . . . . .	Buttercup.
<i>R. lobbii</i> (Hiern) A. Gray. . . . .	Do.
<i>R. cymbalaria</i> Pursh ( <i>Halerpestes cymbalaria</i> ) . . . . .	Do.

RANUNCULACEAE--Continued.

CROWFOOT FAMILY.

<i>Ranunculus flabellaris</i> Raf. ( <i>R. delphinifolius</i> ) . . . . .	Water buttercup.
<i>R. hydrocharoides</i> A. Gray . . . . .	Buttercup.
<i>R. purshii</i> Richards. . . . .	Do.
<i>R. limosus</i> Nutt. . . . .	Do.
<i>R. intertextus</i> Greene. . . . .	Do.
<i>R. ambigens</i> S. Wats. ( <i>R. laxicaulis</i> , <i>R. obtusiusculus</i> ) . . . . .	Do.
<i>R. reptans</i> L. ( <i>R. flammula</i> var. <i>reptans</i> ) . . . . .	Do.
<i>R. bolanderi</i> Greene . . . . .	Do.
<i>R. oblongifolius</i> Ell. . . . .	Do.
<i>R. pusillus</i> Poir. . . . .	Do.
<i>R. sceleratus</i> L. . . . .	Do.
<i>R. septentrionalis</i> Poir. . . . .	Swamp buttercup.
<i>R. repens</i> L. . . . .	Buttercup.
<i>R. pensylvanicus</i> L. f. . . . .	Do.
<i>Myosurus minimus</i> L. . . . .	Mousetail.
<i>Caltha palustris</i> L. . . . .	Marshmarigold.
<i>C. leptosepala</i> DC. . . . .	Do.
<i>C. natans</i> Pall . . . . .	Do.

CRUCIFERAE

MUSTARD FAMILY.

<i>Subularia aquatica</i> L. . . . .	Subularia.
<i>Radicula nasturtium-aquaticum</i> (L.) Britten & Rendle ( <i>Nasturtium officinale</i> , <i>Sisymbrium nasturtium-aquaticum</i> , <i>Rorippa nasturtium</i> ) . . . . .	Watercress.
<i>R. curvisiliqua</i> (Hook.) Greene ( <i>R. nuttallii</i> ) . . . . .	Cress.
<i>R. sylvestris</i> (L.) Druce ( <i>Rorippa sylvestris</i> ) . . . . .	Do.
<i>R. palustris</i> (L.) Moench ( <i>R. terrestris</i> , <i>R. hispida</i> , <i>Rorippa palustris</i> , <i>Rorippa hispida</i> ) . . . . .	Marshcress.
<i>R. aquatica</i> (Eaton) Robinson ( <i>Neobeckia aquatica</i> , <i>Rorippa americana</i> ) . . . . .	Lake cress.
<i>Cardamine infausta</i> Greene. . . . .	Bittercress.
<i>C. angulata</i> Hook. . . . .	Do.
<i>C. curvisiliqua</i> Shuttlew. . . . .	Do.
<i>C. pratensis</i> L. . . . .	Do.

PODOSTEMACEAE

RIVERWEED FAMILY.

<i>Podostemum ceratophyllum</i> Michx. . . . .	Riverweed.
<i>P. abrotanoides</i> Nutt. . . . .	Do.

CRASSULACEAE

ORPINE FAMILY.

<i>Penthorum sedoides</i> L. . . . .	Ditch stonecrop.
<i>Tillaea aquatica</i> L. ( <i>Tillaeastrum aquaticum</i> ) . . . . .	Tillaea.
<i>T. drummondii</i> Torr. & Gray ( <i>Tillaeastrum drummondii</i> ) . . . . .	Do.



## SAXIFRAGACEAE

## SAXIFRAGE FAMILY.

<i>Chrysosplenium americanum</i> Schwein. . . . .	Golden saxifrage.
<i>Parnassia parviflora</i> DC. . . . .	Parnassia.
<i>P. palustris</i> L. . . . .	Do.
<i>P. caroliniana</i> Michx. ( <i>P. americana</i> ). . . . .	Do.

## ROSACEAE

## ROSE FAMILY.

<i>Potentilla palustris</i> (L.) Scop. ( <i>Comarum palustre</i> ). . . . .	Marsh cinquefoil.
<i>P. fruticosa</i> L. ( <i>Dasiphora fruticosa</i> ) . . . . .	Shrubby cinquefoil.
<i>P. anserina</i> L. ( <i>Argentina anserina</i> , <i>A. argentea</i> ). . . . .	Silverweed.
<i>Sanguisorba canadensis</i> L. . . . .	Burnet.
<i>Rosa palustris</i> Marsh, ( <i>R. carolina</i> ) . . . . .	Swamp rose.

## LEGUMINOSAE

## PULSE FAMILY.

<i>Trifolium subsalinum</i> Greene . . . . .	Clover.
<i>T. involucratum</i> Ort. . . . .	Cow clover.
<i>Psoralea macrostachya</i> DC. . . . .	Leather-root.
<i>Amorpha paniculata</i> Torr. & Gray . . . . .	False-indigo.
<i>A. fruticosa</i> L. ( <i>A. angustifolia</i> , <i>A. fragrans</i> ). . . . .	Indigobush.
<i>Sesbania macrocarpa</i> Muhl. ( <i>Sesban macrocarpa</i> , <i>S. exaltata</i> , <i>S. emerus</i> ). . . . .	Sesbania.
<i>Glottidium vesicarium</i> (Jacq.) Harper . . . . .	Bladderpod.
<i>Daubentonia longifolia</i> (Cav.) DC. ( <i>D. drummondii</i> ). . . . .	Rattlebush.
<i>Aeschynomene virginica</i> (L.) BSP. . . . .	Jointvetch.
<i>Lathyrus palustris</i> L. . . . .	Marsh pea.
<i>L. jepsonii</i> Greene . . . . .	Do.
<i>Apios tuberosa</i> Moench ( <i>A. apios</i> , <i>Glycine apios</i> ). . . . .	Potatobean.

## CALLITRICHACEAE

## WATER-STARWORT FAMILY.

<i>Callitriche palustris</i> L. . . . .	Water-starwort.
<i>C. heterophylla</i> Pursh . . . . .	Do.
<i>C. autumnalis</i> L. . . . .	Do.

## LIMNANTHACEAE

## FALSE-MERMAID FAMILY.

<i>Floerkea proserpinacoides</i> Willd. . . . .	False-mermaid.
<i>Limnanthes douglasii</i> R. Br. . . . .	Meadowfoam.

## MALVACEAE

## MALLOW FAMILY.

<i>Althaea officinalis</i> L. . . . .	Marshmallow.
<i>Sidalcea parviflora</i> Greene . . . . .	Sidalcea.
<i>Kosteletzkya virginica</i> (L.) Presl . . . . .	Saltmarsh mallow.
<i>K. althaeifolia</i> (Chapm.) A. Gray . . . . .	Do.
<i>Hibiscus moscheutos</i> L. . . . .	Rosemallow.
<i>H. oculiroseus</i> Britton . . . . .	Do.
<i>H. incanus</i> Wendland . . . . .	Do.
<i>H. grandiflorus</i> Michx. . . . .	Do.
<i>H. lasiocarpus</i> Cav. . . . .	Do.

## MALVACEAE--Continued.

*Hibiscus militaris* Cav. . . . .  
*H. californicus* Kellogg . . . . .

## MALLOW FAMILY.

Rosemallow.  
 Do.

## HYPERICACEAE

*Hypericum ellipticum* Hook. . . . .  
*H. mutilum* L. . . . .  
*H. majus* (A. Gray) Britton. . . . .  
*H. virginicum* L. (*Triadenum virginicum*) . . . . .  
*H. petiolatum* Walt. (*Triadenum petiolatum*) . . . . .

## ST. JOHNSWORT FAMILY.

St. Johnswort.  
 Do.  
 Do.  
 Marsh St. Johnswort.  
 St. Johnswort.

## ELATINACEAE

*Elatine americana* (Pursh) Arn. . . . .  
*E. triandra* Schkuhr . . . . .  
*E. brachysperma* A. Gray . . . . .  
*E. minima* (Nutt.) Fisch. & Meyer . . . . .  
*E. williamsii* Rydb. . . . .  
*Bergia texana* (Hook.) Seubert . . . . .

## WATERWORT FAMILY.

Waterwort.  
 Do.  
 Do.  
 Do.  
 Do.  
 Bergia.

## FRANKENIACEAE

*Frankenia grandifolia* C. & S. . . . .

## FRANKENIA FAMILY.

Frankenia.

## LYTHRACEAE

*Didiplis diandra* (Nutt.) Wood . . . . .  
*Rotala ramosior* (L.) Koehne . . . . .  
*Ammannia coccinea* Rottb. . . . .  
*A. Koehnei* Britton . . . . .  
*A. auriculata* Willd. . . . .  
*Decodon verticillatus* (L.) Ell. . . . .  
*Lythrum hyssopifolia* L. . . . .  
*L. lineare* L. . . . .  
*L. alatum* Pursh . . . . .  
*L. salicaria* L. . . . .

## LOOSESTRIFE FAMILY.

Water-purslane.  
 Rotala.  
 Ammannia.  
 Do.  
 Do.  
 Waterwillow.  
 Lythrum.  
 Do.  
 Do.  
 Purple loosestrife.

## ONAGRACEAE

*Jussiaea peruviana* L. . . . .  
*J. californica* Jepson . . . . .  
*J. decurrens* (Walt.) DC. . . . .  
*J. grandiflora* Michx. . . . .  
*J. diffusa* Forsk. . . . .  
*Ludwigia microcarpa* Michx. . . . .  
*L. curtissii* Chapm. . . . .  
*L. sphaerocarpa* Ell. . . . .  
*L. polycarpa* Short & Peter. . . . .  
*L. alata* Ell. . . . .  
*L. lanceolata* Ell. . . . .  
*L. glandulosa* Walt. . . . .  
*L. palustris* (L.) Ell. (*Isnardia palustris*) . . . . .  
*L. natans* Ell. (*Isnardia natans*, *L. repens*) . . . . .  
*L. arcuata* Walt. (*Ludwigiantha arcuata*) . . . . .  
*Epilobium molle* Torr. (*E. strictum*) . . . . .  
*E. densum* Raf. (*E. lineare*) . . . . .  
*Trapa natans* L. . . . .

## EVENING-PRIMROSE FAMILY.

Waterprimrose.  
 Do.  
 Do.  
 Do.  
 Creeping waterprimrose.  
 Ludwigia.  
 Do.  
 Do.  
 Do.  
 Do.  
 Do.  
 Do.  
 Do.  
 Willow-weed.  
 Do.  
 Waterchestnut.



# HALORAGIDACEAE

## WATERMILFOIL FAMILY.

<i>Myriophyllum alterniflorum</i> DC.	Watermilfoil.
<i>M. spicatum</i> L.	Do.
<i>M. laxum</i> Shuttlew.	Do.
<i>M. verticillatum</i> L.	Do.
<i>M. heterophyllum</i> Michx.	Do.
<i>M. hippuroides</i> Nutt.	Do.
<i>M. scabratum</i> Michx. ( <i>M. pinnatum</i> )	Do.
<i>M. farwellii</i> Morong	Do.
<i>M. humile</i> (Raf.) Morong	Do.
<i>M. tenellum</i> Bigel.	Do.
<i>M. brasiliense</i> Cambess. ( <i>M. proserpina-</i> <i>coides</i> )	Parrotfeather.
<i>Proserpinaca platycarpa</i> Small	Mermaidweed.
<i>P. palustris</i> L.	Do.
<i>P. amblygona</i> (Fern.) Small	Do.
<i>P. pectinata</i> Lam	Do.
<i>Hippuris vulgaris</i> L.	Marestail.

# UMBELLIFERAE

## PARSLEY FAMILY.

<i>Eryngium aquaticum</i> L. ( <i>E. virginianum</i> )	Eryngo.
<i>E. floridanum</i> Coult. & Rose	Do.
<i>E. articulatum</i> Hook.	Bee-thistle.
<i>Hydrocotyle umbellata</i> L.	Many-flowered pennywort.
<i>H. prolifera</i> Kellogg.	Marsh pennywort.
<i>H. bonariensis</i> Lam.	Largeleaf pennywort.
<i>H. verticillata</i> Thunb.	Whorled pennywort.
<i>H. ranunculoides</i> L. f.	Water pennywort.
<i>Centella asiatica</i> (L.) Urban ( <i>C. repanda</i> )	Centella.
<i>Ptilimnium capillaceum</i> (Michx.) Raf.	Bishop-weed.
<i>Cicuta bolanderi</i> S. Wats.	Waterhemlock.
<i>C. maculata</i> L.	Do.
<i>C. vagans</i> Greene	Do.
<i>C. occidentalis</i> Greene	Do.
<i>C. bulbifera</i> L.	Do.
<i>Harperella nodosa</i> Rose	Harperella.
<i>Berula erecta</i> (Huds.) Coville	Berula.
<i>Oenanthe sarmentosa</i> Presl	Oenanthe.
<i>Sium suave</i> Walt. ( <i>S. cicutaefolium</i> )	Waterparsnip.
<i>Lilaeopsis lineata</i> (Michx.) Greene	Lilaeopsis.
<i>L. carolinensis</i> Coult. & Rose	Do.
<i>Ligusticum scoticum</i> L.	Scotch lovage.
<i>Oxypolis filiformis</i> (Walt.) Britton	Water-dropwort.
<i>O. rigidior</i> (L.) Coult. & Rose ( <i>O. rigidus</i> )	Cowbane.

# CORNACEAE

## DOGWOOD FAMILY.

<i>Cornus stolonifera</i> Michx. ( <i>Svida stolonifera</i> )	Red-osier dogwood.
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PLUMBAGINACEAE

LEADWORT FAMILY.

- Limonium nashii* Small (*L. carolinianum*, in part, of Gray's Manual and Britton and Brown) . . . . . Sea-lavender.  
*L. trichogonum* Blake (*L. carolinianum*, in part, of Gray's Manual and Britton and Brown) . . . . . Do.  
*L. carolinianum* (Walt.) Britton (*L. brasiliense*) . . . . . Do.  
*L. angustatum* (A.Gray) Small (*L. carolinianum*, in part, of Gray's Manual and Britton and Brown) . . . . . Do.  
*L. californicum* (Boiss.) Heller (*L. commune* var. *californica*) . . . . . Do.

PRIMULACEAE

PRIMROSE FAMILY.

- Hottonia inflata* Ell . . . . . Featherfoil.  
*Samolus floribundus* HBK. . . . . Samolus.  
*S. ebracteatus* HBK. (*Samodia ebracteata*) . . . . . Do.  
*Lysimachia terrestris* (L.) BSP. . . . . Swampcandle.  
*L. thyrsoflora* L. (*Naumburgia thyrsoflora*) . . . . . Water loosestrife.  
*Glaux maritima* L. . . . . Sea-milkwort.

GENTIANACEAE

GENTIAN FAMILY.

- Sabatia stellaris* Pursh . . . . . Rosegentian.  
*S. gracilis* (Michx.) Salisb. (*S. campanulata*) . . . . . Do.  
*S. dodecandra* (L.) BSP. . . . . Do.  
*Pleurogyne rotata* (L.) Griseb. . . . . Marsh felwort.  
*Menyanthes trifoliata* L. . . . . Bogbean.  
*Nymphoides lacunosum* (Vent.) Fern. (*Limnanthemum lacunosum*) . . . . . Floatingheart.  
*N. aquaticum* (Walt.) Fern. (*Limnanthemum aquaticum*) . . . . . Do.  
*N. peltatum* (S. P. Gmel.) Britten & Rendle (N. *nymphaeoides*) . . . . . Do.

ASCLEPIADACEAE

MILKWEED FAMILY.

- Asclepias lanceolata* Walt. . . . . Coast milkweed.  
*A. incarnata* L. . . . . Swamp milkweed.  
*A. pulchra* Ehrh. (*A. incarnata* var. *pulchra*) . . . . . Hairy milkweed.  
*Seutera palustris* (Pursh) Vail (*Lyonia palustris*) *Seutera*.

CONVOLVULACEAE

CONVOLVULUS FAMILY.

- Cuscuta obtusiflora* HBK. (*C. polygonorum*) . . . . . Dodder.  
*C. salina* Engelm. . . . . Marsh dodder.

HYDROPHYLLACEAE

WATERLEAF FAMILY.

- Hydrolea affinis* A. Gray (*Nama affine*) . . . . . Hydrolea.  
*H. quadrivalvis* Walt. (*Nama quadrivalve*) . . . . . Do.  
*H. ovata* Nutt. (*Nama ovatum*) . . . . . Do.

## BORAGINACEAE

*Heliotropium curassavicum* L. (*H. spathulatum*)  
*H. indicum* L. (*Tiaridium indicum*)  
*Myosotis scorpioides* L.  
*M. laxa* Lehm.  
*Alloccarya mollis* (A. Gray) Greene.  
*A. glabra* (A. Gray) Macbr.

## BORAGE FAMILY.

Heliotrope.  
 Do.  
 Forget-me-not.  
 Do.  
 Alloccarya.  
 Do.

## VERBENACEAE

*Verbena hastata* L.  
*Lippia lanceolata* Michx. (*Phyla lanceolata*)  
*L. nodiflora* (L.) Michx. (*Phyla nodiflora*)

## VERVAIN FAMILY.

Blue vervain.  
 Lippia.  
 Do.

## LABIATAE

*Teucrium canadense* L. (*T. littorale*)  
*T. occidentale* A. Gray  
*Scutellaria epilobiifolia* Hamilton (*S. galericulata*)  
*Physostegia virginiana* (L.) Benth. (*Dracopcephalum virginianum*)  
*Stachys tenuifolia* Willd. (*S. aspera*)  
*S. palustris* L. (*S. homotricha*)  
*Lycopus virginicus* L.  
*L. uniflorus* Michx. (*L. communis*)  
*L. sessilifolius* A. Gray  
*L. rubellus* Moench  
*L. lucidus* Turcz. (*L. asper*)  
*L. americanus* Muhl.  
*Mentha spicata* L.  
*M. piperita* L.  
*M. aquatica* L.  
*M. crispa* L.  
*M. cardiaca* Baker.  
*M. canadensis* L. (*M. arvensis* var. *canadensis*,  
*M. arvensis* var. *glabrata*, *M. glabrior*)

## MINT FAMILY.

American germander.  
 Hairy germander.  
 Skullcap.  
 False-dragonhead.  
 Betony.  
 Marsh betony.  
 Bugleweed.  
 Do.  
 Do.  
 Do.  
 Do.  
 Do.  
 Spearmint.  
 Peppermint.  
 Water mint.  
 Crisp-leaf mint.  
 Small-leaf mint.  
 Wild mint.

## SCROPHULARIACEAE

*Bacopa monniera* (L.) Wettst. (*Bramia monniera*, *Bramia monnieri*, *Monniera monniera*)  
*B. caroliniana* (Walt.) Robinson (*Hydrotrida caroliniana*, *Septilia caroliniana*, *S. crenulata*)  
*B. rotundifolia* (Michx.) Wettst. (*Bramia rotundifolia*, *Monniera rotundifolia*, *Macuillamia rotundifolia*)  
*Gratiola lutea* Raf. (*G. aurea*)  
*G. viscidula* Pennell (*G. viscosa*)  
*G. neglecta* Torr. (*G. virginiana* of Gray's Manual, Britton and Brown, Small's Flora, Rydberg's Flora of the Rocky Mountains, and Jepson's Manual)

## FIGWORT FAMILY.

Coastal waterhyssop.  
 Waterhyssop.  
 Roundleaf waterhyssop.  
 Gratiola.  
 Do.  
 Do.

SCROPHULARIACEAE-Continued.

FIGWORT FAMILY.

<i>Gratiola virginiana</i> L. ( <i>G. sphaerocarpa</i> )	<i>Gratiola</i> .
<i>Mimulus cardinalis</i> Dougl.	Crimson monkeyflower.
<i>M. moschatus</i> Dougl.	Muskplant.
<i>M. guttatus</i> Fisch. ( <i>M. langsdorffii</i> )	Monkeyflower.
<i>M. glabratus</i> HBK. ( <i>M. geyseri</i> , <i>M. jamesii</i> )	Do.
<i>M. ringens</i> L.	Do.
<i>M. alatus</i> Ait.	Do.
<i>Lindernia dubia</i> (L.) Pennell ( <i>Ilysanthes</i> <i>attemuata</i> , <i>I. dubia</i> of Gray's Manual, Small's Manual; and Rydberg's Flora of the Prairies and Plains).	False pimpernel.
<i>L. anagallidea</i> (Michx.) Pennell ( <i>Ilysanthes</i> <i>anagallidea</i> , <i>I. inaequalis</i> , <i>I. gratio- loides</i> , <i>I. dubia</i> of Britton and Brown and Jepson's Manual).	Do.
<i>Micranthemum umbrosum</i> (Walt.) Blake ( <i>M. orbiculatum</i> , <i>Globifera umbrosa</i> )	<i>Micranthemum</i> .
<i>M. micranthemoides</i> (Nutt.) Wettst. ( <i>Hemi- anthus micranthemoides</i> , <i>H. glomeratus</i> ?)	Do.
<i>Limosella aquatica</i> L. ( <i>L. tenuifolia</i> )	Mudwort.
<i>L. subulata</i> Ives ( <i>L. aquatica</i> of Gray's Manual, <i>L. aquatica</i> , in part, of Britton and Brown).	Do.
<i>Chelone glabra</i> L.	White turtlehead.
<i>Veronica americana</i> (Raf.) Schwein.	American brooklime.
<i>V. beccabunga</i> L.	European brooklime.
<i>V. anagallis-aquatica</i> L. ( <i>V. anagallis- aquatica</i> , in part, of manuals)	Water speedwell.
<i>V. glandifera</i> Pennell ( <i>V. anagallis-aquatica</i> , in part, of manuals).	Speedwell.
<i>V. connata</i> Raf. ( <i>V. anagallis-aquatica</i> , in part, of manuals, <i>V. catenata</i> , <i>V. anagallis</i> of Jepson's Manual ?).	Do.
<i>V. scutellata</i> L.	Marsh speedwell.
<i>Gerardia maritima</i> Raf. ( <i>Agalinis maritima</i> )	Seaside gerardia.
<i>G. paupercula</i> (A. Gray) Britton ( <i>Agalinis paupercula</i> ).	<i>Gerardia</i> .
<i>G. purpurea</i> L. ( <i>Agalinis purpurea</i> ).	Do.
<i>Cordylanthus mollis</i> A. Gray.	<i>Cordylanthus</i> .
<i>C. maritimus</i> Nutt.	Do.
<i>Pedicularis lanceolata</i> Michx.	Swamp woodbetony.

LENTIBULARIACEAE

BLADDERWORT FAMILY.

<i>Utricularia inflata</i> Walt. ( <i>U. radiata</i> )	Floating bladderwort.
<i>U. clandestina</i> Nutt. ( <i>U. geminiscapa</i> )	Bladderwort.
<i>U. vulgaris</i> L. ( <i>U. macrorrhiza</i> )	Common bladderwort.
<i>U. foliosa</i> L. ( <i>U. oligosperma</i> )	Bladderwort.
<i>U. floridana</i> Nash	Do.
<i>U. minor</i> L.	Do.



LENTIBULARIACEAE--Continued.

<i>Utricularia gibba</i> L. . . . .	Bladderwort.
<i>U. pumila</i> Walt. ( <i>U. biflora</i> , <i>U. macrorhyncha</i> , . . . . .	Do.
<i>U. fibrosa</i> Walt. . . . .	Do.
<i>U. intermedia</i> Hayne . . . . .	Do.
<i>U. purpurea</i> Walt. ( <i>Vesiculina purpurea</i> ) . . . . .	Purple bladderwort.
<i>U. resupinata</i> B. D. Greene ( <i>Lecticula resupinata</i> ) . . . . .	Bladderwort.
<i>U. cleistogama</i> (A. Gray) Britton ( <i>Setiscapella cleistogama</i> ) . . . . .	Do.
<i>U. subulata</i> L. ( <i>Setiscapella subulata</i> ) . . . . .	Do.
<i>U. cornuta</i> Michx. ( <i>Stomoisia cornuta</i> ) . . . . .	Horned bladderwort.
<i>U. juncea</i> Vahl ( <i>Stomoisia juncea</i> ) . . . . .	Bladderwort.
<i>U. virgatula</i> Barnhart ( <i>Stomoisia virgatula</i> ) . . . . .	Do.
<i>Pinguicula planifolia</i> Chapm. . . . .	Butterwort.

ACANTHACEAE

<i>Hygrophila lacustris</i> (Schlecht.) Nees. . . . .	Hygrophila.
<i>Dianthera americana</i> L. . . . .	Dianthera.

PLANTAGINACEAE

<i>Littorella uniflora</i> (L.) Aschers. . . . .	Littorella.
<i>Plantago eriopoda</i> Torr. . . . .	Plantain.
<i>P. decipiens</i> Earneoud ( <i>P. maritima</i> ) . . . . .	Seaside plantain.

RUBIACEAE

<i>Galium palustre</i> L. . . . .	Bedstraw.
<i>G. trifidum</i> L. . . . .	Do.
<i>G. claytoni</i> Michx. . . . .	Do.
<i>Cephalanthus occidentalis</i> L. . . . .	Buttonbush.

CAMPANULACEAE

<i>Campanula uliginosa</i> Rydb. . . . .	Marsh bellflower.
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LOBELIACEAE

<i>Howellia aquatilis</i> A. Gray. . . . .	Howellia.
<i>Downingia brachyantha</i> (Rydb.) Nels. & Macbr. ( <i>Bolelia brachyantha</i> ) . . . . .	Downingia.
<i>D. elegans</i> (Lindl.) Torr. ( <i>Bolelia elegans</i> ) . . . . .	Do.
<i>Lobelia cardinalis</i> L. . . . .	Cardinalflower.
<i>L. siphilitica</i> L. . . . .	Large blue lobelia.
<i>L. kalmii</i> L. . . . .	Lobelia.
<i>L. paludosa</i> Nutt. . . . .	Do.
<i>L. dortmanna</i> L. . . . .	Water lobelia.

COMPOSITAE

<i>Sclerolepis uniflora</i> (Walt.) BSP. . . . .	Sclerolepis.
<i>Eupatorium perfoliatum</i> L. . . . .	Boneset.
<i>Grindelia humilis</i> Hook. & Arn. ( <i>G. cuneifolia</i> ) . . . . .	Marsh grindelia.

BLADDERWORT FAMILY.

ACANTHUS FAMILY.

PLANTAIN FAMILY.

MADDER FAMILY.

BLUEBELL FAMILY.

LOBELIA FAMILY.

COMPOSITE FAMILY.

## COMPOSITAE-- Continued.

*Solidago sempervirens* L. . . . .  
*S. occidentalis* (Nutt.) Torr. & Gray . . . . .  
*Boltonia asteroides* (L.) L'Hér. . . . .  
*Aster tenuifolius* L. . . . .  
*A. subulatus* Michx. . . . .  
*A. brachyactis* Blake (*A. angustus*, *Brachyactis angusta*). . . . .  
*A. halophilus* Greene. . . . .  
*A. exilis* Ell. . . . .  
*Baccharis halimifolia* L. . . . .  
*B. glomeruliflora* Pers. . . . .  
*B. angustifolia* Michx. . . . .  
*B. douglasii* DC. . . . .  
*Pluchea camphorata* (L.) DC. . . . .  
*Iva frutescens* L. (*I. oraria*). . . . .  
*Xanthium* spp. . . . .  
*Eclipta alba* (L.) Hassk. (*Verbesina alba*).  
*Borrhchia frutescens* (L.) DC. . . . .  
*B. arborescens* (L.) DC. (*B. glabrata*). . .  
*Bidens bidentoides* (Nutt.) Britton . . . .  
*B. discoidea* (Torr. & Gray) Britton . . .  
*B. comosa* (A. Gray) Wiegand (*B. acuta*) . .  
*B. connata* Muhl. . . . .  
*B. cernua* L. (*B. glaucescens*, *B. elliptica*,  
*B. prionophylla*). . . . .  
*B. laevis* (L.) BSP. . . . .  
*B. mitis* (Michx.) Sherff (*B. coronata* of  
Gray's Manual, Britton and Brown, and  
Small's Flora). . . . .  
*B. coronata* (L.) Britton (*B. trichosperma*)  
*B. aristosa* (Michx.) Britton . . . . .  
*B. beckii* Torr. (*Megalodonta beckii*) . . .  
*Lasthenia glabrata* Lindl. . . . .  
*L. glaberrima* DC. . . . .  
*Baeria platycarpa* A. Gray. . . . .  
*Jaumea carnosa* (Less.) A. Gray . . . . .  
*Helenium autumnale* L. (*H. latifolium*). . .  
*Cotula coronopifolia* L. . . . .  
*Artemisia biennis* Willd. . . . .  
*Cacalia tuberosa* Nutt. (*Mesadenia tuberosa*)  
*Senecio aureus* L. . . . .  
*S. hydrophilus* Nutt. . . . .  
*Cirsium muticum* Michx. (*Carduus muticus*) .  
*C. andrewsii* (A. Gray) Jepson. . . . .

COMPOSITE FAMILY.

Seaside goldenrod.  
Goldenrod.  
White boltonia.  
Aster.  
Do.  
Do.  
Do.  
Do.  
Groundselbush.  
Do.  
Do.  
Do.  
Saltmarsh fleabane.  
Hightide-bush.  
Cocklebur.  
Eclipta.  
Sea oxeeye.  
Do.  
Beggartick.  
Do.  
Do.  
Do.  
Do.  
Do;  
Do.  
Do.  
Do.  
Watermarigold.  
Lasthenia.  
Do.  
Goldfields.  
Jaumea.  
Sneezeweed.  
Brassbuttons.  
Wormwood.  
Indian-plantain.  
Groundsel.  
Do.  
Swamp thistle.  
Thistle.





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Common names and scientific names of families  
and genera (specific names not included)

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